



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Robert L. Steigerwald et al.

Serial No.: 10/676,898

Filed: October 1, 2003

For: RIPPLE-CURRENT REDUCTION  
SCHEMES FOR AC  
CONVERTERS§  
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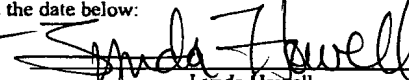
Group Art Unit: 2838

Examiner: Jeffrey L. Sterrett

Atty. Docket: 134494-1/YOD  
GERD:0630Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450CERTIFICATE OF MAILING  
37 C.F.R. 1.8I hereby certify that this correspondence is being deposited with the U.S.  
Postal Service with sufficient postage as First Class Mail in an envelope  
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VA 22313-1450, on the date below:

10/22/2005

Date

  
Lynda Howell**AFFIDAVIT OF ROBERT L. STEIGERWALD AND MICHAEL J. SCHUTTEN**  
**UNDER 37 C.F.R. §1.132**

We, Robert L. Steigerwald and Michael J. Schutten, hereby state:

1. Our names and addresses are as follows:

ROBERT L. STEIGERWALD  
3 Sandstone Drive  
Burnt Hills, New York 12027; andMICHAEL J. SCHUTTEN  
1016 Inner Drive  
Rotterdam, New York 12303.

Serial no. 10/881,948

Affidavit of Robert L. Steigerwald and Michael J. Schutten

Page 2

2. Our professional status is: Retired from General Electric Global Research (Mr. Steigerwald), and electrical engineer, Electronic Power Conversion Laboratory at the General Electric Global Research Center in Niskayuna, New York (Mr. Schutten).

3. We are named as co-inventors of the invention described in U.S. Patent No. 6,693,805, and as co-authors of an article entitled "Ripple Current Cancellation Circuit" which appeared in the Proceeding of the 18<sup>th</sup> IEEE Applied Power Electronics Conference, Miami, Feb. 9-13, vol. 1, pp. 464-470 (2003), cited in the Office Action mailed on June 23, 2005 in connection with the patent application referenced in the caption to this affidavit, and are named as co-inventors on the present patent application referenced in the same caption.

4. We hereby declare that any invention or innovations disclosed in the references that may also be disclosed in and claimed in the present application were made by us and are therefore not an invention "by another", and that any use of such invention in the present patent application was based upon our contribution to the presently claimed invention.

We further declare that all statements made herein are of our own knowledge are true and that all statements made on information and belief are believed to be true, and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Dated: \_\_\_\_\_

By: \_\_\_\_\_  
Robert L. SteigerwaldDated: OCTOBER 20, 2005By: Michael J. Schutten  
Michael J. Schutten



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10/21/2005

Date

*Lynda Howell*  
Lynda Howell

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Dated: Oct 20, 2005

By: Robert L. Steigerwald  
Robert L. Steigerwald

Dated: \_\_\_\_\_

By: \_\_\_\_\_  
Michael J. Schutten